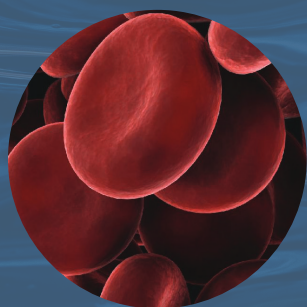


# EconoTrace® PFC SPE System

Automated Solid Phase Extraction System for Drinking Water



*From Sample to Final Vial*

- Modular and Expandable from 2 to 8 Samples
- Configurable for Every Budget
- Reduce Costs, Human Error and Labor
- High Throughput Extraction and Concentration

**FMS**  
Fluid Management Systems

# EconoTrace® PFC SPE System

## Automated Solid Phase Extraction System for the Analysis of PFAS/PFOS in Drinking Water

The EconoTrace® Parallel SPE System for PFAS/PFOS is designed to streamline your laboratory's workflow and increase productivity by automating the manual steps in your sample preparation process. The EconoTrace SPE system automates existing manual SPE techniques and replaces older Automated Extraction techniques. The system is designed specifically for the analysis of PFAS/PFOS. The materials used for the components that make up the system are Delrin®, Peek®, Stainless Steel, and LLDPE.

The EconoTrace SPE system for PFAS/PFOS is the only SPE system that combines extraction, automatic bottle rinse, drying and concentration into one step providing a truly automated total sample prep solution for the laboratory. Simply load samples onto the EconoTrace SPE system and start the automated extraction process. After loading the sample onto the SPE cartridge at the set flow rate, the drying step is accomplished using Nitrogen. This drying step replaces manual techniques the Sample Bottle is then rinsed. The analytes of interest are eluted directly to the SuperVap PFC Concentrator where the concentration process automatically places it directly into a 15ml Centrifuge tube, and brings the extract to final volume ready for analysis. Automating these processes into one step ensures the highest quality results in the shortest amount of time and eliminates both human error and the possibility of contamination.



The EconoTrace PFC system runs six samples in parallel and provides direct to 15ml Centrifuge tube concentration.

### Reduces Errors

One-step automated SPE and concentration eliminates human error, saves labor costs and reduces solvent usage while increasing your sample throughput.

### Fully Automated

- Hyphenates the entire sample prep process—extraction, drying and concentration steps into a one process.
- Runs up to eight samples simultaneously.
- Automatic sample bottle rinse
- Concentrates samples directly to a 15ml Centrifuge tube

### High Speed

- The fastest automated Positive Pressure sample processing available for SPE cartridges
- Positive pressure pumping for fast simultaneous loading of samples

### Versatile

- Handles a wide range of sample sizes and matrix types.
- Sample sizes from 2 mL to 8 L.
- Expandable from one to four modules—two samples per module

### Efficient

- Uses all SPE cartridge sizes.
- Positive pressure pumping for loading samples.
- Nitrogen drying.

### Compliant

- Complies with existing methods that require positive pressure pumping for the precise delivery of sample and solvents.
- Programs and Dispenses up to six solvents using an HPLC pump to deliver precise volumes and flow rates for sample loading, conditioning, and elution.

### Easy Documentation

- Programs and stores an unlimited number of methods and runs on an SD Card.

### Easy method transfer

- Easy-to-use touch screen.

### Direct to Vial Concentration

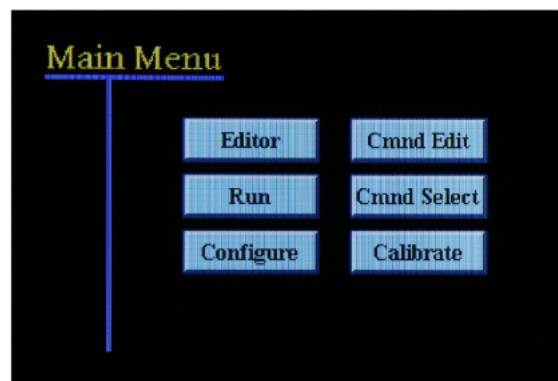
# From Sample to Vial Extraction and Concentration for the Analysis of PFAS/PFOS in Drinking Water

The EconoTrace PFC SPE system uses positive pressure pumping for precise and accurate delivery of the sample as well as conditioning, washing and elution solvents. It is specifically designed to isolate analytes of interest from a wide variety of liquid matrices such as urine, blood, water, milk, beverages. Sample sizes range from 2 mL to 8 L and use the same bottle the sample was collected in. Sample loading rates are programmable. A positive pressure pump is used to load samples onto any SPE cartridge available on the market.

The EconoTrace Parallel SPE/SuperVap PFC system concentrates samples directly to a 15ml Polypropylene Centrifuge tube. Sample Processing Modules can easily be swapped out for service which means your lab will experience zero downtime.



The EconoTrace System is expandable from one to four modules allowing for up to 8 samples to be run in Parallel.



System control is accomplished via an easy-to-use touch screen.



Automatic time-based nitrogen shut off

Direct to Concentration / Evaporation  
15ml centrifuge tubes from the EconoTrace PFC SPE

## Specifications

### EconoTrace® PFC Parallel SPE System

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Dimensions: 15" W x 18" D x 26" H

Weight: 30lbs.

Gas Requirements: Nitrogen - 20 PSI minimum

Pump: Piston Displacement

Flow rate: 0.2 to 15 mL/minute

Electrical Input: 110/220 Volts, 50/60 HZ

Controller: Integrated Touch Screen Control

### SuperVap® PFC Concentration System

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Dimensions: 12" W x 13" D x 12" H

Weight: 20 lbs.

Gas Requirements: Nitrogen - 20 PSI minimum

Electrical Input: 110/220 Volts, 50/60 HZ

Controller: Integrated Touch Screen Control

Bath: Dry

## Ordering Information

### Consumables

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Part Number	Description
SPE-BT1	SPE Sample Bottle 1L
SPE-BTRC	SPE Sample Bottle Rinse Cap
SPE-ADP-1	SPE 1 mL Cartridge Adapter
SPE-ADP-3	SPE 3 mL Cartridge Adapter
SPE-ADP-6	SPE 6 mL Cartridge Adapter
SPE-ADP-20	SPE 20 mL Cartridge Adapter
SPE-ADP-35	SPE 35 mL Cartridge Adapter
SPE-PRE-20	SPE Pre-filter cartridge

